		Aeronautics Educ	
		2009 Scier	
		Essential Knowledo	ge and Skills
Texas Science			
Grade 2	Ctata	Standards	
Activity/Lesson	State	Standards	ask questions about organisms, objects, and
Air Engines (12-16)	TX	SCI.2.2.A	events during observations and investigations;
All Eligines (12-10)		001.2.2.A	record and organize data using pictures,
Air Engines (12-16)	TX	SCI.2.2.D	numbers, and words;
Where is North? The		001.2.2.0	namboro, and words,
Compass Can Tell Us			make predictions based on observable patterns
(87-90)	TX	SCI.2.3.B	and
Dunked Napkin (17-			plan and conduct descriptive investigations such
22)	TX	SCI.2.2.B	as how organisms grow;
Dunked Napkin (17-			make predictions based on observable patterns
22)	TX	SCI.2.3.B	and
Paper Bag Mask (23-			make predictions based on observable patterns
28)	TX	SCI.2.3.B	and
			collect data from observations using simple
			equipment such as hand lenses, primary
Wind in Your Socks)	T)(00100	balances, thermometers, and non-standard
(29-35)	TX	SCI.2.2.C	measurement tools;
Wind in Your Socks)	TX	SCI.2.2.D	record and organize data using pictures,
(29-35) Delta Wing Glider (60-	1.	3C1.2.2.D	numbers, and words; make predictions based on observable patterns
68)	TX	SCI.2.3.B	and
00)	17	301.2.3.0	and
		Aeronautics Educ	ator Guide
		2009 Scier	
		Essential Knowledge	
Texas Science			
Grade 3			
Activity/Lesson	State	Standards	
			collect data by observing and measuring using
			the metric system and recognize differences
Air Engines (12-16)	TX	SCI.3.2.B	between observed and measured data;
			demonstrate and observe how position and
			motion can be changed by pushing and pulling
A: = : (40.40)	>	001000	objects to show work being done such as
Air Engines (12-16)	TX	SCI.3.6.B	swings, balls, pulleys, and wagons; and
Fliabi, Intandia dialia			construct maps, graphic organizers, simple
Flight: Interdisciplinary			tables, charts, and bar graphs using tools and
Learning Activities (76-79)	TX	SCI.3.2.C	current technology to organize, examine, and evaluate measured data;
10)	17	301.3.2.0	plan and implement descriptive investigations,
			including asking and answering questions,
Where is North? The			making inferences, and selecting and using
	1		
Compass Can Tell Us			equipment or technology needed, to solve a

			construct maps, graphic organizers, simple
Plan to Fly There (97-			tables, charts, and bar graphs using tools and
			current technology to organize, examine, and
106)	TX	SCI.3.2.C	evaluate measured data;
			construct maps, graphic organizers, simple
We Can Fly, You and			tables, charts, and bar graphs using tools and
I: Interdisciplinary			current technology to organize, examine, and
Learning (107-108)	TX	SCI.3.2.C	evaluate measured data;
			plan and implement descriptive investigations,
			including asking and answering questions,
			making inferences, and selecting and using
Dunked Napkin (17-			equipment or technology needed, to solve a
22)	TX	SCI.3.2.A	specific problem in the natural world;
			analyze and interpret patterns in data to
Dunked Napkin (17-			construct reasonable explanations based on
22)	TX	SCI.3.2.D	evidence from investigations;
Dunked Napkin (17-			demonstrate that repeated investigations may
22)	TX	SCI.3.2.E	increase the reliability of results; and
			plan and implement descriptive investigations,
			including asking and answering questions,
			making inferences, and selecting and using
Paper Bag Mask (23-			equipment or technology needed, to solve a
28)	TX	SCI.3.2.A	specific problem in the natural world;
/			collect data by observing and measuring using
Paper Bag Mask (23-			the metric system and recognize differences
28)	TX	SCI.3.2.B	between observed and measured data;
/			observe, measure, record, and compare day-to-
Air: Interdisciplinary			day weather changes in different locations at the
Learning Activities (36-			same time that include air temperature, wind
39)	TX	SCI.3.8.A	direction, and precipitation;
		Aeronautics Educ	cator Guido
	′	2009 Scie	
	Ec	ssential Knowledge	
Texas Science	LS	Sential Kilowieu	ge and Skins
Grade 4			
Activity/Lesson	State	Standards	
Activity/Lesson	State	Standards	collect and record data by observing and
			measuring, using the metric system, and using
			descriptive words and numerals such as labeled
Air Engines (12-16)	TX	SCI.4.2.B	drawings, writing, and concept maps;
All LIIGINGS (12-10)	17	301. 1 .2.D	analyze data and interpret patterns to construct
			reasonable explanations from data that can be
Air Engines (12-16)	TX	SCI.4.2.D	observed and measured;
All Eligines (12-10)	1/	301.4.2.D	measure and record changes in weather and
Air Engines (12.16)	TV	SCI 4 9 A	make predictions using weather maps, weather
Air Engines (12-16)	TX	SCI.4.8.A	symbols, and a map key;
Flight: Interdisciplinary			construct simple tables, charte, har graphs, and
Flight: Interdisciplinary	I		construct simple tables, charts, bar graphs, and
Learning Activities (76-79)	TX	SCI.4.2.C	maps using tools and current technology to organize, examine, and evaluate data;
		1.31.14/1.	UNDADIZE EXACUDE ADD EVAIDATE DATA

			connect grade-level appropriate science
Making Time Fly (80-			concepts with the history of science, science
86)	TX	SCI.4.3.D	careers, and contributions of scientists.
Where is North? The Compass Can Tell Us (87-90)	TX	SCI.4.2.A	plan and implement descriptive investigations, including asking well-defined questions, making inferences, and selecting and using appropriate equipment or technology to answer his/her questions;
Plan to Fly There (97-	17	001.4.2.7	communicate valid, oral, and written results
106)	TX	SCI.4.2.F	supported by data.
Dunked Napkin (17-22)	TX	SCI.4.2.A	plan and implement descriptive investigations, including asking well-defined questions, making inferences, and selecting and using appropriate equipment or technology to answer his/her questions;
Paper Bag Mask (23-28)	ТХ	SCI.4.2.A	plan and implement descriptive investigations, including asking well-defined questions, making inferences, and selecting and using appropriate equipment or technology to answer his/her questions;
Paper Bag Mask (23-28)	TX	SCI.4.2.B	collect and record data by observing and measuring, using the metric system, and using descriptive words and numerals such as labeled drawings, writing, and concept maps;
Wind in Your Socks) (29-35)	TX	SCI.4.2.A	plan and implement descriptive investigations, including asking well-defined questions, making inferences, and selecting and using appropriate equipment or technology to answer his/her questions;
Wind in Your Socks) (29-35)	TX	SCI.4.2.B	collect and record data by observing and measuring, using the metric system, and using descriptive words and numerals such as labeled drawings, writing, and concept maps;
(23-33)	17	301.4.2.D	analyze data and interpret patterns to construct
Wind in Your Socks)			reasonable explanations from data that can be
(29-35)	TX	SCI.4.2.D	observed and measured;